

BASE COUNT	ORIGIN	99 a	116 c	113 g	90 t	2 others
	W. Pacific and elsewhere.					

Qy	3430	acatctcacccctttaccagcgttggcatggtctggaactgaaaacctgaaatgtttct	3489
Db	420	ACATCTTCACCCTTTACCAGCGTTGGCATGGTCTCAACTGGAAACCCCTGAGAATGTNTCT	361
Qy	3450	gcagttagacagaggagacattctcccacgtctccctagaaccggagggccccggacttc	3549
Db	360	GCAGTAGGACAGGAGGGACATCTTCCCATGCTTCCCTAGAACCGGAGGCCCGGACTTC	301
Qy	3550	tctgaaacccgcctgtctgcagggcccgattccaaatctatgggggtgcacttccctttt	3609
Db	300	TCGGAAGCCGCCTCTCTGCAGGCCCGATTCAATCTATGGGGCTGCACTTCCCTTTT	241
Qy	3610	acattttagtgtctaaaggctttttggagtgacccaaaagcacagggcgagcgggtggggc	3669
Db	240	ACATTTTCATGTCTAAAGGCTTTTGGAGTGACCAAAAGCACAGAGGACGGGTGGGC	181
Qy	3670	gcctgggtgtgtcccaaaaggtgcgtgccaacctgtcccggggcagaggcataagcccaat	3729
Db	180	GCCTGGGTGTGTCCTCAAGGTGCTGCCACCTTGCCTGGGGCAGAGGATTAAGCCCAT	121
Qy	3730	atgctgtgaagctggccaaccttttctcagcttctgagctcgatgctctcaggaaactcca	3789
Db	120	ATNCTGTGCACGCTGGCCACCTTTTCTCAGCTTCTCAGGCTCGGATGCTCAGGAACCTCCA	61
Qy	3790	gtttcacagagaccagtgtgtttacttgcataataaagccctctgggtgggtggagacgcta	3847
Db	60	GTTTACAGAGACCAGTGTGTACTTGTAAATAAAGCCCTCTGGGTGGTGGAGACCGTA	3

RESULT	5
LOCUS	BF079819
DEFINITION	230513 MARC 2P1G Sus scrofa cDNA 5', mRNA sequence.
ACCESSION	BF079819
VERSION	BF079819.1 GI:10873649
KEYWORDS	EST.
SOURCE	plg.
ORGANISM	Sus scrofa
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
AUTHORS	1 (bases 1 to 549) Fahrenkrug, S.C., Freking, B.A., Rohrer, G.A., Smith, T.P.L., Casas, E., Stone, R.T., Heaton, M.P., Grosse, W.M., Bennett, G.A., Laegreid, W.W. and Keele, J.W.
TITLE	Design and use of two pooled tissue normalized cDNA libraries for

RESULT	4
A1188803/c	
LOCUS	EST
DEFINITION	28-OCT-1998 qg27d03.x1 Soares.placenta_8to9weeks_2NbHP8to9w Homo sapiens cDNA clone IMAGE:1724933 3', mRNA sequence.
ACCESSION	A1188883
VERSION	A1188883
KEYWORDS	GI:3740092
SOURCE	EST.
ORGANISM	human. Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE	1 (bases 1 to 420) NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap . National Cancer Institute, Cancer Genome Anatomy Project (CGAP).
JOURNAL	Tumor Gene Index Unpublished (1997)
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgaps-r@mail.nih.gov This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Insert Length: 1141 Std Error: 0.00

Email: cnapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/Dmp
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: L1AM9743 row: 1 column: 14
High quality sequence stop: 729.
Location/Qualifiers
1. 825
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:3917293"
/clone_lib="NIH_MGC_72"
/tissue_type="melanotic melanoma"
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/note="Organ: skin; Vector: pCMV-SPORT6; Site: 1: NotI; Site: 2: SalI; Cloned unidirectionally. Primer: Oligo dt. Average insert size 2 kb. Library constructed by Life Technologies."

FEATURES
source

BASE COUNT 187 a 220 c 293 g 125 t
ORIGIN

Query Match 22.98; Score 689; DB 141; Length 825;
Best Local Similarity 98.48; Pred. No. 5.3e-129;
Matches 711; Conservative 0; Mismatches 10; Indels 2; Gaps 2;

Qy 589 gagatgctcagcctctcgtcactatagcaatgcgtgcagagagagctgcccgc 648
Db 1 GAGATGCTCAGCCTCTCGCTGCATATAGCAATGCGCTGCAGGAGAGAGTGC 60
Qy 649 tcacgtcctccagcctcagagagagctgtatctactgaagcagagctgcagagcc 708
Db 61 TCACGCTCCGAGCCTGCAGGAGGAGCTGTATCTACTGAAGCAGGAGCTGCAGGAG 120
Qy 709 aacatggttctcctcgtgagctgaattgcaagagcagctccctgagagacacagcag 768
Db 121 AACATGTTTCTCTCTGAGCTGGAATGCAAGAGCAGTCCCTGAGGACACCCAGCGAC 180
Qy 769 cagagtcctcggagagagctgaacccctcgaagagagagagagagagctgcgctcg 828
Db 181 CAGGAGTCCGGGATGAGAGAGCTGAACCCCTGAAGAGGAGAGAGAGAGAGAGTGCCTCG 240
Qy 829 ctgacttccagcctcgtgcagagagagacattctgagcagagcctgcagagcgagcg 888
Db 241 CTGACTTTCAGCCTGCGGAGAGAGGACATCTCTGAGCAGAGCCTGCAGAGCGCGGGG 300
Qy 889 agccgacagagagctggtgagcgcctccactcgtcgcgagcgagcgagcgagcgag 948
Db 301 AGCCGACAGGAGCTGCTGAGCGCATCCACTCGCTGCGGAGCGCGCTGCTGCGGAG 360
Qy 949 aggcagcagagcagctactggaagagagagagagagagagagagagagagagag 1008
Db 361 AGGCAGGAGAGCAGTACTTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGTTC 420
Qy 1009 aagatggcctccaaactcagagagagagagagagagagagagagagagagagag 1068
Db 421 AAGATGGCTCGCAACTCTACAGGAGAGAGTGAATGCGCTCAGGCCCGAGGAGATTCC 540
Qy 1069 ctgcagagagagcagagagagcagcgtactccgcgagagagagagagagagagag 1128
Db 481 CTGCAGATTCC 540
Qy 1129 cagagcctgggtgag 1188
Db 541 CAGAGCCTGGTGAG 600
Qy 1189 tgcgagc-tgcgacacagccttcgcagcagcagcagcagcagcagcagcagcagc 1247
Db 601 TCGAGCTTGCACACACAGCTTCCGACAGCTGCAGGAGAGAGAGAGAGAGAGAGAG 660

SUMMARIES

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2	587	18.8	794	136	BE543447	601070755
3	421	14.0	601	165	BE291786	601084552
4	379	12.6	549	144	BF079819	230513 MA
5	276	9.2	806	144	BF100075	601090075
6	254.6	8.5	625	166	BE307936	601090600
7	164.6	5.5	243	160	BE522865	BB522865
8	164	5.4	1033	107	AU090784	AU090784
9	128.6	4.3	846	165	BE287025	601097271
10	124	4.1	513	171	BF927853	IL5-NT022
11	118.2	3.9	423	172	BG008533	PM4-GN030
12	117.6	3.9	463	119	AM654913	105416 MA
13	116	3.9	482	147	BF356060	RC1-HT088
14	114.2	3.8	494	151	BF601607	266612 MA
15	113.8	3.8	786	146	BF238116	60181836
16	111.8	3.7	1141	141	BE867544	601443043
17	110.2	3.7	412	150	BF543391	UI-R-C3-t
18	110.2	3.7	450	150	BF543402	UI-R-C3-t
19	108.6	3.6	765	108	AU142752	AU142752
20	103	3.4	560	144	BF074951	222563 MA
21	102.6	3.4	984	107	AU090785	AU090785
22	99.6	3.3	839	147	BF307399	601894035
23	99	3.3	650	241	AZ337339	IM0968803
24	98	3.3	961	173	BG105273	602312855
25	96.6	3.2	463	138	BE685413	187635 MA
26	96.6	3.2	610	136	BE513331	601315526
27	95.6	3.2	769	175	BG288547	602388013
28	90.4	3.0	605	247	AZ640388	IM0502E21
29	88	2.9	650	147	BF333601	MR2-CN003
30	84.8	2.8	447	139	BE750651	202112 MA
31	84.2	2.8	762	220	CNS01XFI	Tetraodon
32	83.8	2.8	743	152	BG341695	602463420
33	83	2.8	552	139	BE752216	204551 MA
34	82.4	2.7	658	108	AU171861	AU171861
35	80	2.7	713	242	AZ346186	IM0081G06
36	79.2	2.6	377	14	AA990077	ua59a06.r
37	78.2	2.6	489	103	A1877454	u10c10.r
38	77.6	2.6	536	165	BE269246	601185484
39	76.4	2.5	168	103	A1904382	CM-BF054
40	76.4	2.5	264	103	A1904385	CM-BF054
41	76	2.5	458	4	AA285991	vb88g07.r
42	75.8	2.5	496	139	BE755039	208745 MA
43	75.4	2.5	354	20	A1447835	mr29f06.x
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ALIGNMENTS

RESULT	1	BE891229	825 bp	mRNA	EST	20-OCT-2000
LOCUS	601432053F1	NIH_MGC_72	Homo sapiens	cdna clone	IMAGE:3917293	5'
DEFINITION	mRNA sequence.					
ACCESSION	BE891229					
VERSION	BE891229.1	GI:10350350				
KEYWORDS	EST.					
SOURCE	human.					
ORGANISM	Homo sapiens					
REFERENCE	1	(bases 1 to 825)				
AUTHORS	NIH-MGC	http://mgi.nci.nih.gov/				
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)					
JOURNAL	Unpublished (1999)					
COMMENT	Contact: Robert Strausberg, Ph.D.					

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QY 1248 ggaagccaggagccctgtccacggagagagcagcggtggtgctgcatgc 1307
Db      |||||||
QY 661 ggaagccaggagccctgtccacggagagagcagcggtggtgctgcatgc 1307
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Db      |||||||
QY 720 CATCTGCC 728

RESULT 2
BE543447 794 bp mRNA EST 09-AUG-2000
LOCUS 60107055F1 NIH_MGC_12 Homo sapiens cDNA clone IMAGE:3456973 5',
DEFINITION mRNA sequence.
ACCESSION BE543447
VERSION BE543447.1 GI:9772092
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE 1 (bases 1 to 794)
JOURNAL NIH-MGC http://mgi.nci.nih.gov/.
COMMENT National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgaabs-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM8445 row: n column: 14
High quality sequence stop: 674.

FEATURES
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1. 794
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/db_xref="taxon:9606"
/clone="IMAGE:3456973"
/clone_lib="NIH_MGC_12"
/tissue_type="cervical carcinoma cell line"
/lab_host="DH10B"
/note="Organ: cervix; Vector: pCMV-SPORT6; Site.1: NotI;
Site.2: SalI; Cloned unidirectionally. Primer: Oligo dt.
Average insert size 1.4 kb. Library prepared by Life
Technologies."
BASE COUNT 171 a 209 c 288 g 126 t
ORIGIN

Query Match 18.8%; Score 567; DB 136; Length 794;
Best Local Similarity 93.5%; Pred. No. 2,2e-104;
Matches 614; Conservative 0; Mismatches 40; Indels 3; Gaps 2;

QY 635 agagctggcgccctcagctgcgcagcctgcagggagagctatctactgaagcagg 694
Db      |||||||
QY 61 AGGAGCTGTGCTGAACACGCCCGGCTCCCGCTTCCACCTGTATCTACTGAAGCAGG 120
Db      |||||||
QY 695 agctgcagcgagcccaacatggtttccctcctgtgagctggaattgcaagcagtccttga 754
Db      |||||||
QY 121 AGCTGCAGCAGCACAATGTTTCCCTCTGTAGCTGGAATTGCAAGAGCAGTCCCTGA 180
Db      |||||||
QY 755 ggacagccagcagcagagtcctgggagtgagagtgagagtcctggaagagagaatg 814
Db      |||||||
QY 181 GGACAGCCAGCAGCAGCAGGTCGGGGATGAGGAGCTGAACCCGCTGAAGGAGGAGATG 240
Db      |||||||
QY 815 agaaactgcctcgtcacttccagcctgagcagagagacatctctggagcagagcctgg 874
Db      |||||||
QY 241 AGAAATGCGCTCGCTGACTTTCAGCTTCCGCTGCGGAGAGGAGCATTCTGAGCAGCCTGG 300
Db      |||||||

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QY 875 acgagcgcgggggagccgacagggagctggtggagcgatccactcgtcgcgagcgag 934
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QY 301 ACGAGCGCGGGGGAGCCGACAGGAGCTGTTGGAGCGCATCCACTCGCTCGGGAGCGGG 360
Db      |||||||
QY 935 ccgtggtgctgcccagagggcagcagagcagctactggaagagagaaacagaccctgctgc 994
Db      |||||||
QY 361 CCGTGGCTGCCGAGAGGCGAGCAGCAGTACTGGAAGAGAGGAAACAGACCCCTGCTGC 420
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QY 995 agttccagaagagtagatggtcctccaaactctacagggagaggtggaatcgctgcag 1054
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QY 421 AGTTCCAGAAGAGTAGATGGCTGCTCCAACTCTACAGGAGAGAGGTGAATGCGTGCAGG 480
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QY 601 CTGAGCGGACCAAGTCTGCGAGCTGGCACACACACTTTCGCCAGCTTTCGCCGAGAGCCTCG 660
Db      |||||||
QY 1234 ggtgtgctcaagcagaaagccagggagcagggagcctgtccacgggagagcagcg 1290
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QY 661 GGTGTG--TCAGCGGAGAGCCAGGAGGAGTAGCTTGTCCACGGGAGAGGAGCAGCGG 715
Db      |||||||

RESULT 3
BE291786 601 bp mRNA EST 13-JUL-2000
LOCUS 601084552F1 NCI_CGAP_Mam6 Mus musculus cDNA clone IMAGE:3498685 5',
DEFINITION mRNA sequence.
ACCESSION BE291786
VERSION BE291786.1 GI:9173747
KEYWORDS EST.
SOURCE house mouse.
ORGANISM Mus musculus
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
TITLE 1 (bases 1 to 601)
JOURNAL NIH-MGC http://mgi.nci.nih.gov/.
COMMENT National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgaabs-remail.nih.gov
Tissue Procurement: Jeffrey Green M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM8554 row: h column: 14
High quality sequence stop: 582.

FEATURES
Location/Qualifiers
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/db_xref="taxon:10090"
/clone="IMAGE:3498685"
/clone_lib="NCI_CGAP_Mam6"
/sex="female, virgin"
/tissue_type="infiltrating ductal carcinoma"
/dev_stage="5 months"
/lab_host="DH10B"
/note="Organ: mammary; Vector: pCMV-SPORT6; Site.1: SalI;
Site.2: NotI; Cloned unidirectionally. Primer: Oligo dt.
Library constructed by Life Technologies. Investigator
providing samples: Jeffrey Green, M.D., NIH"
BASE COUNT 154 a 163 c 179 g 105 t
ORIGIN

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